

PATENT COOPERATION TREATY

	PRELIMINARY EXAMINING AUTHORITY	7		D.C.C.		
0:			PCT			
SUN PHARMACEUTICAL INDUSTRIES LIMITED, SHRIVASTAVA Ratnesh Acme Plaza			WRITTEN OPINION			
ndheri East, 7 00059 Mumb		(PCT Rule 66)				
ndia 		Date of n	nailing th/year) 30 A	ugust 2004 (30.08.2004)		
pplicant's or agent's file reference REPLY DUE						
MTX_102	5		within 2 months/days from the above date of mailing			
International application No. International filing			onth/year)	Priority date (day/month/year) 2 September 2002 (02.09.2002)		
PCT/IN 2003/	\$			2 September 2002 (02:00:2002)		
PC ⁷ : A61K 3 ¹	ent Classification (IPC) or both national class 1/421, 9/14, 45/06	ssilication and				
Applicant SUN PHARM	ACEUTICAL INDUSTRIES LIMITED	D				
1. This writte	en opinion is the first (first, etc.) drawn by	y this Internati	onal Prelimina	ary Examining Authority.		
2. This opini	on contains indications relating to the follow					
1. Basis of the opinion						
II. Priority						
III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
IV. Lack of unity of invention						
V.	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI.	VI. Certain documents cited					
VII.	VII. Certain defects in the international application					
VIII. Certain observations on the international application						
3. The appl	icant is hereby invited to reply to this opinio	on.				
When?	When? See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d).					
How?	the supervision by amondments according to Rule 66.3					
Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6.						
1	ply is filed, the international preliminary ex		oort will be es	tablished on the basis of this opinion.		
4. The fina examina	l date by which the international preliminar tion report must be established according to	ry o Rule 69.2 is:	02.01.200	5 <u>.</u>		
Name and mail	ling address of the IPEA/AT	Aut	horized office	г		
Austrian Paten				KRENN M.		
Facsimile No.		Tel	ephone No. 1	53424/435		
Form PCT/IPE	A/408 (cover sheet) (July 1998)		•			



International application No.

PCT/IN 2003/000294

Ι.		Basis of the op		
1.			ements of the international application:*	
	\boxtimes	the internationa	l application as originally filed	
		the description:		
	ш		as originally filed	
			filed with the demand	
			filed with the letter of .	
		the claims:		
		pages ,	as originally filed	
			, as amended (together with any statement) under Article 19	
			, filed with the demand	
		pages	, filed with the letter of	
	\Box	the drawings:		
	_	_	, as originally filed	
			, filed with the demand	
		pages	, filed with the letter of	
		•	sting part of the description:	
		. 5	as originally filed	l
			, filed with the demand , filed with the letter of	İ
		pages		
2.	whi	ch the internatio	anguage, all the elements marked above were available or furnished to this Authority in the language in mal application was filed, unless otherwise indicated under this item. e available or furnished to this Authority in the following language which is:	
			of a translation furnished for the purposes of international search (under Rule 23.1(b)). of publication of the international application (under Rule 48.3(b)).	
		the language of or 55.3).	of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/	
3.			nucleotide and/or amino acid sequence disclosed in the international application, the written opinion basis of the sequence listing:	
		contained in th	he international application in printed form.	
		filed together	with the international application in computer readable form.	
			sequently to this Authority in written form.	
			sequently to this Authority in computer readable form.	
		The statement international a	that the subsequently furnished written sequence listing does not go beyond the disclosure in the application as filed has been furnished.	
		The statement been furnished	t that the information recorded in computer readable form is identical to the written sequence listing has d.	
4.		The amendme	ents have resulted in the cancellation of:	
		the descr	ription, pages	
		the clain	ns, Nos.	
		the draw	rings, sheets/fig .	
5.		This opinion go beyond th	has been drawn as if (some of) the amendments had not been made, since they have been considered to le disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	
	* Rep in thi	lacement sheets s _s opinion asor	which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to iginally filed.".	0

WRITTEN OPINION

International	application	No.
DOT#11 00	000000	

PCT/IN 2003/000294

Ш.	III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
1.	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:					
		the entire international application,				
	\boxtimes	claims Nos. 19-22,25,26.				
		because: the said international application, or the said claims Nos. require an international preliminary examination tspecify:				
		the description, claims or drawings (indicate particular elements below) or said claims Nos. 19-22,25,26 are so unclear that no meaningful opinion could be formed (specify): Characterization of pharmaceutical dosage forms by their modes of administration is insufficient; thus claims 19-22 resp. the dependent claims 25 and 26 were not considered in establishing the present examination.				
-		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.				
		no international search report has been established for said claims Nos.				
2.		ritten opinion cannot be drawn due to the failure of the nucleotide and/or amino acid sequence listing to comply with the dard provided for in Annex C of the Administrative Instructions:				
	the written form has not been furnished or does not comply with the standard.					
	the computer readable form has not been furnished or does not comply with the standard.					
orm	orm PCT/IPEA/409 (Box III) (July 1998)					



International application No. PCT/IN 2003/000294

ment velty (N) - cntive step (IS)	Claims	8-14 1-7,15-18,23,24	YES
entive step (IS)		1-7,15-18,23,24	NO
entive step (IS)			
	Claims		YES
	Claims	1-18,23,24	NO
ustrial applicability (IA)	Claims	1-18,23,24	YES
	Claims		NO
	ustrial applicability (IA)	ustrial applicability (IA) Claims Claims	Claims

The following documents have been cited in the Search Report:

D1: US 4036957 A D2: WO 02/45693 A1 D3: DE 10153078 A1 D4: US 6407128 B1

By referring to a pharmaceutical preparation comprising acetylsalicylic acid, metaxalone and opt. a dispersing (= solubilizing) agent or a wetting agent, wherein the components of said (micronized) preparation provide a particle size < 0.07 mm, D1 anticipates claims 1-7, 15-17,23 and 24.

D2 pertains to a micronized active agent, e.g. metaxalone providing a preferred particle size from less than 100µm, which is uniformly dispersed in a matrix composed of one or more excipients selected from the group of fatty alcohol, triglyceride, partial glyceride and fatty acid ester, which might act as solubilizing agents. Such pharmaceutical preparations represent compositions with enhanced oral bioavailability; thus D2 anticipates claims 1-7 and 15-18.

Although D2 does not refer to metaxalone providing either the specific surface area or the particle size distribution described in the present application, inventiveness of claims 1-18 is not given, because D2 describes a particle size of metaxalone up to 1-20µm, which are inevitably associated with a elevated surface area per unit volume.

As none of the cited documents explicitly refers to the details described in claims 8-14, said claims show novelty.

After filing of the priority document D3 is not anymore considered to be a relevant document.



International application No. PCT/IN 03/00294

Supplemental	Box			

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Box V (page 1)

D4 is regarded as state of the art, because it does not disclose a solubility-improved form, but a recommendation to administer metaxalone together with food.

Industrial applicability is given

Form PCT/IPEA/408 (Supplemental Box) (July 1998)

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International application No. PCT/IN 2003/000294

VI.	Certain documents cited			
1.	Certain published documents (Rul	c 70.10)		
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim)(day/month/year)
	DE 10153078 A1	22.5.2003	30.10.2001	
				,
2.	Non-written disclosures (Rule 70.)))		Date of written disclosure
	Kind of non-written disclos	ure Date of non-w	ritten disclosure th/year)	referring to non-written disclosure (day/month/year)
				·
Form	m PCT/IPEA/408 (Box VI) (July 19	067		

WRITTEN OPINION

International application No. PCT/IN 2003/000294

WIGHTEN OF MICH	FC1/84 2003/000294
VII. Certain defects in the international application	
The following defects in the form or contents of the international application have be	een noted:
The characterizing parts of claims 1,2,5 and 8 were not concepted the present report, because they include insufficiently defined "pharmaceutical composition has enhanced oral bioavail pharmaceutically acceptable solubility-improved form." (claim 5).	onsidered in establishing the I formulations, namely lability." (claims 1.8) " a
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Form PCT/IPEA/408 (Box VII) (July 1998)